

Andrew Freistein 10/798,617

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NEWS 1 Web Page URLs for STN Seminar Schedule - N. America  
NEWS 2 "Ask CAS" for self-help around the clock  
NEWS 3 JAN 17 Pre-1988 INPI data added to MARPAT  
NEWS 4 FEB 21 STN AnaVist, Version 1.1, lets you share your STN AnaVist  
visualization results  
NEWS 5 FEB 22 The IPC thesaurus added to additional patent databases on STN  
NEWS 6 FEB 22 Updates in EPFULL; IPC 8 enhancements added  
NEWS 7 FEB 27 New STN AnaVist pricing effective March 1, 2006  
NEWS 8 MAR 03 Updates in PATDPA; addition of IPC 8 data without attributes  
NEWS 9 MAR 08 X.25 communication option no longer available after June 2006  
NEWS 10 MAR 22 EMBASE is now updated on a daily basis  
NEWS 11 APR 03 New IPC 8 fields and IPC thesaurus added to PATDPAFULL  
NEWS 12 APR 03 Bibliographic data updates resume; new IPC 8 fields and IPC  
thesaurus added in PCTFULL  
NEWS 13 APR 04 STN AnaVist \$500 visualization usage credit offered  
NEWS 14 APR 12 LINSPEC, learning database for INSPEC, reloaded and enhanced  
NEWS 15 APR 12 Improved structure highlighting in FQHIT and QHIT display  
in MARPAT  
NEWS 16 APR 12 Derwent World Patents Index to be reloaded and enhanced during  
second quarter; strategies may be affected  
NEWS 17 MAY 10 CA/CAPLUS enhanced with 1900-1906 U.S. patent records  
NEWS 18 MAY 11 KOREAPAT updates resume  
  
NEWS EXPRESS FEBRUARY 15 CURRENT VERSION FOR WINDOWS IS V8.01a,  
CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),  
AND CURRENT DISCOVER FILE IS DATED 19 DECEMBER 2005.  
V8.0 AND V8.01 USERS CAN OBTAIN THE UPGRADE TO V8.01a AT  
<http://download.cas.org/express/v8.0-Discover/>  
  
NEWS HOURS STN Operating Hours Plus Help Desk Availability  
NEWS LOGIN Welcome Banner and News Items  
NEWS IPC8 For general information regarding STN implementation of IPC 8

Enter NEWS followed by the item number or name to see news on that  
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\* \* \* \* \*

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COMPLETE THE STN SURVEY - APRIL 27 THROUGH MAY 31

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In an effort to enhance your experience with STN, we would like to better understand what you find useful. Please take approximately 5 minutes to complete a web survey.

If you provide us with your name, login ID, and e-mail address, you will be entered in a drawing to win a free iPod(R). Your responses will be kept confidential and will help us make future improvements to STN.

Take survey: <http://www.zoomerang.com/survey.zgi?p=WEB2259HNKWTUW>

Thank you in advance for your participation.

\* \* \* \* \* STN Columbus \* \* \* \* \*

FILE 'HOME' ENTERED AT 12:53:40 ON 11 MAY 2006

=> file reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'REGISTRY' ENTERED AT 12:53:45 ON 11 MAY 2006

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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 10 MAY 2006 HIGHEST RN 883788-13-4

DICTIONARY FILE UPDATES: 10 MAY 2006 HIGHEST RN 883788-13-4

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH January 6, 2006

Please note that search-term pricing does apply when conducting SmartSELECT searches.

\*\*\*\*\*  
\*  
\* The CA roles and document type information have been removed from \*  
\* the IDE default display format and the ED field has been added, \*  
\* effective March 20, 2005. A new display format, IDERL, is now \*  
\* available and contains the CA role and document type information. \*  
\*  
\*\*\*\*\*

Structure search iteration limits have been increased. See HELP SLIMITS for details.

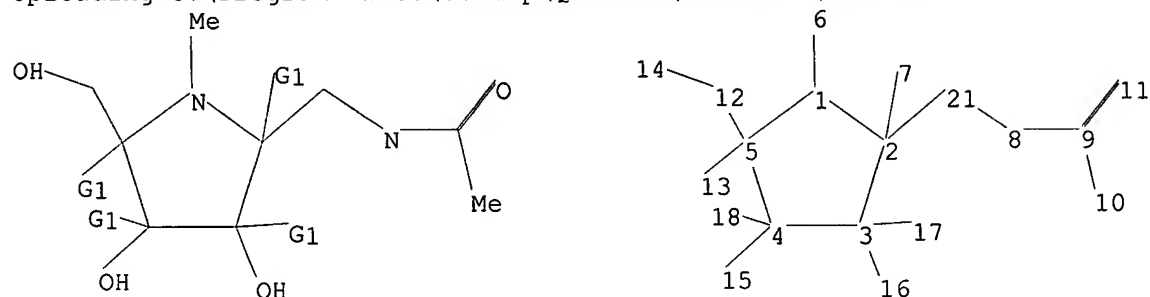
REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

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<http://www.cas.org/ONLINE/UG/regprops.html>

=>

Uploading C:\Program Files\Stnexp\Queries\10798617\25d.str



chain nodes :

6 7 8 9 10 11 12 13 14 15 16 17 18 21

ring nodes :

1 2 3 4 5

chain bonds :

1-6 2-7 2-21 3-16 3-17 4-15 4-18 5-12 5-13 8-9 8-21 9-10 9-11 12-14

ring bonds :

1-2 1-5 2-3 3-4 4-5

exact/norm bonds :

1-2 1-5 2-3 2-7 3-4 3-16 3-17 4-5 4-15 4-18 5-13 8-9 8-21 9-11 12-14

exact bonds :

1-6 2-21 5-12 9-10

G1:H,CH3

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:CLASS 7:CLASS 8:CLASS 9:CLASS

10:CLASS 11:CLASS 12:CLASS 13:CLASS 14:CLASS 15:CLASS 16:CLASS 17:CLASS

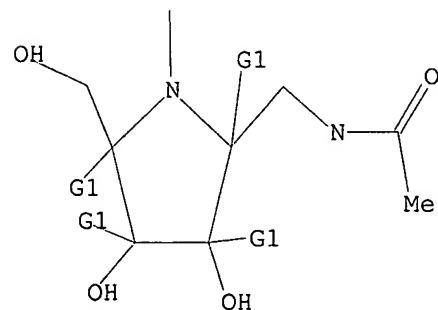
18:CLASS 21:CLASS

L1 STRUCTURE UPLOADED

=> d

L1 HAS NO ANSWERS

L1 STR



G1 H,Me

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Structure attributes must be viewed using STN Express query preparation.

=> s l1

SAMPLE SEARCH INITIATED 12:54:03 FILE 'REGISTRY'  
SAMPLE SCREEN SEARCH COMPLETED - 16 TO ITERATE

100.0% PROCESSED 16 ITERATIONS 0 ANSWERS  
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*  
BATCH \*\*COMPLETE\*\*  
PROJECTED ITERATIONS: 80 TO 560  
PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1

=> s l1 full

FULL SEARCH INITIATED 12:54:06 FILE 'REGISTRY'  
FULL SCREEN SEARCH COMPLETED - 218 TO ITERATE

100.0% PROCESSED 218 ITERATIONS 2 ANSWERS  
SEARCH TIME: 00.00.01

L3 2 SEA SSS FUL L1

=> file hcaplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	166.94	167.15

FILE 'HCAPLUS' ENTERED AT 12:54:10 ON 11 MAY 2006  
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FILE COVERS 1907 - 11 May 2006 VOL 144 ISS 20  
FILE LAST UPDATED: 10 May 2006 (20060510/ED)

New CAS Information Use Policies, enter HELP USAGETERMS for details.

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s l3

L4 5 L3

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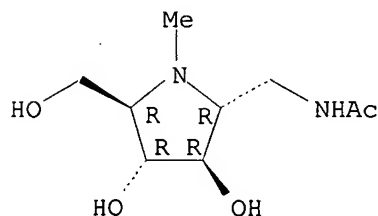
=> d ibib hitstr 1-5

L4 ANSWER 1 OF 5 HCAPLUS COPYRIGHT 2006 ACS on STN  
ACCESSION NUMBER: 2005:732530 HCAPLUS  
DOCUMENT NUMBER: 143:166732  
TITLE: Treatment of degenerative cartilage conditions in a  
mammal with glycosidase inhibitors  
INVENTOR(S): Ichikawa, Yoshitaka; Shue, Youe-Kong; Orida, Norman  
K.; Lotz, Martin; Wong, Chi-Huey; Okumu, Franklin W.;  
Hwang, San-Bao  
PATENT ASSIGNEE(S): Optimer Pharmaceuticals, Inc., USA  
SOURCE: PCT Int. Appl., 33 pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005072268	A2	20050811	WO 2005-US2017	20050120
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			

PRIORITY APPLN. INFO.: US 2004-531168P P 20040120  
IT 231618-75-0, OPT 66  
RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL  
(Biological study); USES (Uses)  
(glycosidase inhibitors for treatment of degenerative cartilage  
conditions)  
RN 231618-75-0 HCAPLUS  
CN Acetamide, N-[[[(2R,3R,4R,5R)-3,4-dihydroxy-5-(hydroxymethyl)-1-methyl-2-  
pyrrolidinyl)methyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).



L4 ANSWER 2 OF 5 HCAPLUS COPYRIGHT 2006 ACS on STN  
ACCESSION NUMBER: 2004:634317 HCAPLUS  
DOCUMENT NUMBER: 141:314531  
TITLE: Synthesis and high-throughput screening of  
N-acetyl- $\beta$ -hexosaminidase inhibitor libraries

targeting osteoarthritis  
AUTHOR(S): Liu, Junjie; Numa, Mehdi M. D.; Liu, Haitian; Huang, Shi-Jung; Sears, Pamela; Shikhman, Alexander R.; Wong, Chi-Huey  
CORPORATE SOURCE: Department of Chemistry and the Skaggs Institute for Chemical Biology, The Scripps Research Institute, La Jolla, CA, 92037, USA  
SOURCE: Journal of Organic Chemistry (2004), 69(19), 6273-6283  
CODEN: JOCEAH; ISSN: 0022-3263  
PUBLISHER: American Chemical Society  
DOCUMENT TYPE: Journal  
LANGUAGE: English

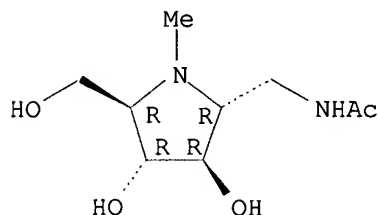
IT 231618-75-0P

RL: BSU (Biological study, unclassified); SPN (Synthetic preparation);  
BIOL (Biological study); PREP (Preparation)  
(preparation and screening of iminocyclitol-derivative N-acetyl- $\beta$ -hexosaminidase inhibitors)

RN 231618-75-0 HCAPLUS

CN Acetamide, N-[[[(2R,3R,4R,5R)-3,4-dihydroxy-5-(hydroxymethyl)-1-methyl-2-pyrrolidinyl]methyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).



REFERENCE COUNT: 42 THERE ARE 42 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 3 OF 5 HCAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2001:505094 HCAPLUS

DOCUMENT NUMBER: 136:325

TITLE: Hexosaminidase inhibitors as new drug candidates for the therapy of osteoarthritis

AUTHOR(S): Liu, J.; Shikhman, A. R.; Lotz, M. K.; Wong, C.-H.

CORPORATE SOURCE: Department of Chemistry, The Scripps Research Institute, La Jolla, CA, 92037, USA

SOURCE: Chemistry & Biology (2001), 8(7), 701-711

CODEN: CBOLE2; ISSN: 1074-5521

PUBLISHER: Elsevier Science Ltd.

DOCUMENT TYPE: Journal

LANGUAGE: English

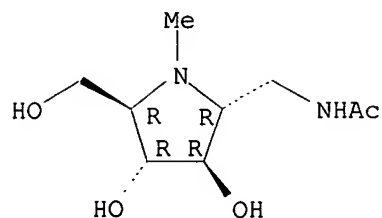
IT 231618-75-0 306297-21-2

RL: PAC (Pharmacological activity); RCT (Reactant); THU (Therapeutic use);  
BIOL (Biological study); RACT (Reactant or reagent); USES (Uses)  
(hexosaminidase inhibitors as new drug candidates for therapy of osteoarthritis)

RN 231618-75-0 HCAPLUS

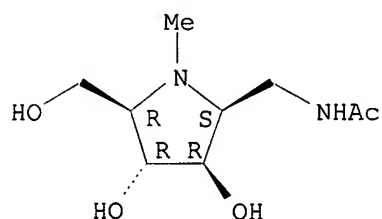
CN Acetamide, N-[[[(2R,3R,4R,5R)-3,4-dihydroxy-5-(hydroxymethyl)-1-methyl-2-pyrrolidinyl]methyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).



RN 306297-21-2 HCAPLUS  
 CN Acetamide, N-[[[(2S,3R,4R,5R)-3,4-dihydroxy-5-(hydroxymethyl)-1-methyl-2-pyrrolidiny]methyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 37 THERE ARE 37 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 4 OF 5 HCAPLUS COPYRIGHT 2006 ACS on STN  
 ACCESSION NUMBER: 2000:814457 HCAPLUS  
 DOCUMENT NUMBER: 133:350461  
 TITLE: Preparation of iminocyclitol inhibitors of hexoaminidase and glycosidase  
 INVENTOR(S): Wong, Chi-huey; Liu, Jungie  
 PATENT ASSIGNEE(S): The Scripps Research Institute, USA  
 SOURCE: PCT Int. Appl., 52 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000068194	A1	20001116	WO 2000-US13048	20000511
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
CA 2373183	AA	20001116	CA 2000-2373183	20000511
EP 1181274	A1	20020227	EP 2000-930662	20000511
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
JP 2002544191	T2	20021224	JP 2000-617175	20000511

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AU 779347	B2	20050120	AU 2000-48444	20000511
US 6774140	B1	20040810	US 2002-980869	20020212
US 2004198772	A1	20041007	US 2004-798617	20040310
PRIORITY APPLN. INFO.:			US 1999-133549P	P 19990511
			WO 2000-US13048	W 20000511
			US 2002-980869	A3 20020212

OTHER SOURCE(S): MARPAT 133:350461

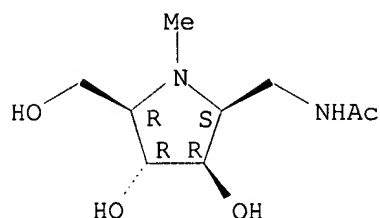
IT **306297-21-2P**

RL: BAC (Biological activity or effector, except adverse); BPN (Biosynthetic preparation); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)  
(preparation of iminocyclitol inhibitors of hexoaminidase and glycosidase)

RN 306297-21-2 HCAPLUS

CN Acetamide, N-[[[(2S,3R,4R,5R)-3,4-dihydroxy-5-(hydroxymethyl)-1-methyl-2-pyrrolidinyl)methyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



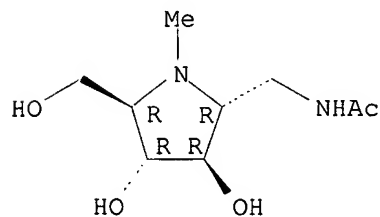
IT **231618-75-0P**

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)  
(preparation of iminocyclitol inhibitors of hexoaminidase and glycosidase)

RN 231618-75-0 HCAPLUS

CN Acetamide, N-[[[(2R,3R,4R,5R)-3,4-dihydroxy-5-(hydroxymethyl)-1-methyl-2-pyrrolidinyl)methyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).



REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 5 OF 5 HCAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1999:390839 HCAPLUS

DOCUMENT NUMBER: 131:102464

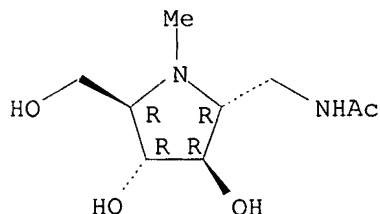
TITLE: A Versatile Synthetic Strategy for the Preparation and Discovery of New Iminocyclitols as Inhibitors of Glycosidases



Andrew Freistein 10/798,617

AUTHOR(S): Takebayashi, Maki; Hiranuma, Sayoko; Kanie, Yoshimi;  
Kajimoto, Tetsuya; Kanie, Osamu; Wong, Chi-Huey  
CORPORATE SOURCE: Frontier Research Program, The Institute of Physical  
and Chemical Research (RIKEN), Wako-shi Saitama,  
351-0198, Japan  
SOURCE: Journal of Organic Chemistry (1999), 64(14), 5280-5291  
CODEN: JOCEAH; ISSN: 0022-3263  
PUBLISHER: American Chemical Society  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
IT 231618-75-0P  
RL: BAC (Biological activity or effector, except adverse); BSU (Biological  
study, unclassified); SPN (Synthetic preparation); BIOL (Biological  
study); PREP (Preparation)  
(preparation of imino cyclitols as glycosidase inhibitors)  
RN 231618-75-0 HCAPLUS  
CN Acetamide, N-[[[(2R,3R,4R,5R)-3,4-dihydroxy-5-(hydroxymethyl)-1-methyl-2-  
pyrrolidinyl]methyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).



REFERENCE COUNT: 56 THERE ARE 56 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=>

---Logging off of STN---

=>

Executing the logoff script...

=> LOG Y

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	20.08	187.23

STN INTERNATIONAL LOGOFF AT 12:54:54 ON 11 MAY 2006